

Application No. 10/549936
Responsive to the office action dated July 23, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An article with an organic-inorganic composite film, the article comprising a substrate and an organic-inorganic composite film that is formed on a surface of the substrate and ~~contains~~ comprises an organic material and an inorganic oxide,

wherein the organic-inorganic composite film contains a network structure of silica in a form of siloxane polymer as the inorganic oxide,

the organic-inorganic composite film contains the silica as its main component, and

the organic-inorganic composite film contains a hydrophilic organic polymer as the organic material in the network structure of silica,

the organic-inorganic composite film is a single-layer film and an outermost layer,

the organic-inorganic composite film is formed directly on a substrate, wherein the substrate is a glass sheet,

the organic-inorganic composite film has a thickness of more than 250 nm and no more than 5 μ m, and

the organic-inorganic composite film does not separate from the substrate after the Taber abrasion test prescribed in Japanese Industrial Standards R 3212 that is carried out with respect to a surface of the organic-inorganic composite film, the Taber abrasion test being carried out at a rotation number of 1000 with a load of 500 g being applied.

2. (Cancelled)

Application No. 10/549936

Responsive to the office action dated July 23, 2009

3. (Currently Amended) The article according to claim ~~[[2]]~~¹, wherein the organic-inorganic composite film has a thickness of more than 300 nm but ~~not~~ no more than 5 μm .

4. (Original) The article according to claim 3, wherein the organic-inorganic composite film has a thickness of 1 μm to 5 μm .

5. (Original) The article according to claim 1, wherein a portion that has been subjected to the Taber abrasion test has a haze ratio of 4% or lower after the Taber abrasion test.

6. (Cancelled)

7. (Original) The article according to claim 1, wherein the organic-inorganic composite film contains phosphorus.

8. (Cancelled)

9. (Previously presented) The article according to claim 1, wherein the hydrophilic organic polymer includes a polyoxyalkylene group.

10. (Original) The article according to claim 1, wherein the organic-inorganic composite film contains fine particles.

11. (Original) The article according to claim 10, wherein the content of the fine particles is at least 1 mass%, and a portion that has been subjected to the Taber abrasion test has a haze ratio of 4% or lower after the Taber abrasion test.

12 - 24. (Cancelled)

25. (Withdrawn – currently amended) An article with an organic-inorganic composite film, the article comprising a substrate and an organic-inorganic composite

Application No. 10/549936

Responsive to the office action dated July 23, 2009

film that is formed on a surface of the substrate and ~~contains~~ comprises an organic material and an inorganic oxide,

wherein the organic-inorganic composite film contains a network structure of silica in a form of siloxane polymer as the inorganic oxide,

the organic-inorganic composite film contains the silica as its main component,

the organic-inorganic composite film contains no fine particles,

~~the substrate is a glass sheet,~~

the organic-inorganic composite film contains the organic material in the network structure of silica,

the organic-inorganic composite film is a single-layer film and an outermost layer,

the organic-inorganic composite film is formed directly on a substrate, wherein the substrate is a glass sheet,

the organic-inorganic composite film has a thickness of more than 250 nm and no more than 5 μ m, and

the organic-inorganic composite film does not separate from the substrate after the Taber abrasion test prescribed in Japanese Industrial Standards R 3212 that is carried out with respect to a surface of the organic-inorganic composite film, the Taber abrasion test being carried out at a rotation number of 1000 with a load of 500 g being applied.

26 - 28. (Cancelled)

29. (New) The article according to claim 1, wherein the hydrophilic organic polymer is a polyether phosphate surfactant.

30. (New) An article with an organic-inorganic composite film, the article comprising a substrate and an organic-inorganic composite film that is formed on a surface of the substrate and comprises an organic material and an inorganic oxide,

wherein the organic-inorganic composite film contains a network structure of silica in a form of siloxane polymer as the inorganic oxide,

the organic-inorganic composite film contains the silica as its main component,

Application No. 10/549936

Responsive to the office action dated July 23, 2009

the organic-inorganic composite film contains a hydrophilic organic polymer as the organic material in the network structure of silica, wherein the hydrophilic organic polymer is a polyether phosphate surfactant,

the organic-inorganic composite film has a thickness of more than 250 nm and no more than 5 and μm , and

the organic-inorganic composite film does not separate from the substrate after the Taber abrasion test prescribed in Japanese Industrial Standards R 3212 that is carried out with respect to a surface of the organic-inorganic composite film, the Taber abrasion test being carried out at a rotation number of 1000 with a load of 500 g being applied: